



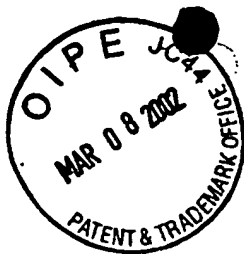
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Sheet 1 of 13

SUBSTITUTE FORM PTO-1449 (MODIFIED)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		Attorney Docket No. 112430.134US7	
				Serial No. 09/993,739	
				Applicant Lee et al.	
				Filing Date Nov. 23, 2001	
				Group 1616	
				IDS Filed	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)					
(37 CFR §1.98(b))					
U.S. PATENTS					
Examiner's Initials	Patent Number	Issue Date	Patentee	Class	Filing Date (If Appropriate)
M	5,605,713	02/25/97	Boltong		
M	5,152,836	09/12/91	Hirano		
FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION					
Examiner's Initials	Document Number	Publication Date	Country or Patent Office	Class	Translation (Yes/No)
M	JP 06228011	12/12/94	Japan		Abstract only
	JP 7277712	10/24/95	Japan		Abstract only
	JP 63111875	05/17/88	Japan		Abstract only
	WO 92/02453	07/05/91	PCT WO		
	WO 94/02412	02/03/94	PCT WO		
	WO 94/04657	08/12/93	PCT WO		
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	EP 0 268 463	05/25/88	Europe		
	EP 0 347 028	11/18/89	Europe		
EXAMINER			DATE CONSIDERED 3/18/03		
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)		Serial No.	09/993,739
		Applicant	Lee et al.
		Filing Date	Nov. 23, 2001
		Group	1616
(37 CFR §1.98(b))		IDS Filed	
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✓	Appel et al. "Recent Advances in Implants for Bone Growth Promotion" <i>Exp. Opin. Ther. Patents</i> 4:1461 (1994)		
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	Hayes et al., "Augmentation of Cementless Femoral Stems to Improve Initial Stability Using a Remodelable Calcium-Phosphate Bone Material Substitute" 61 st Annual American Academy of Orthopedic Surgeons Meeting, New Orleans (02/94)		
	Jang "Advanced Polymer Composites" Chapter 1, Introduction, <i>The Materials Information Society</i> 95 [?]		
	Norian Corporation, Product Information Sheet, "The Material Science of Norian SRS™, Skeletal Repair System™" 95		
✓	Rey et al., "Chemical Properties of Poorly Crystalline Apatites" <i>Phosphorus Res. Bull.</i> 6:67-70 (1996) abstract only		
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INFORMATION DISCLOSURE STATEMENT

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Filing Date:
Nov. 23, 2001

Group: 1616

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Me	4,684,673	Adachi	August 4, 1987	523	116
	5,262,166	Liu et al.	November 16, 1993	424	423
	5,281,265	Liu	January 25, 1994	106	35
	5,427,754	Nagata et al.	June 27, 1995	423	308
	5,516,532	Atala et al.	May 14, 1996	424	548
	5,565,502	Glimcher et al.	October 15, 1996	523	115
	5,665,120	Ohtsuka et al.	September 9, 1997	623	16
	5,691,397	Glimcher et al.	November 25, 1997	523	115
	5,700,289	Breitbart et al.	December 23, 1997	623	16
	5,782,971	Constantz et al.	July 21, 1998	106	690

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Kinoshita, et al., "Reconstruction of Mandibular Discontinuity Defects in Dogs Using Autogenic Particulate Cancellous Bone and Marrow and Poly (L-lactide) Mesh, Fifth World Biomaterials Congress, May 29-June 2, 1996. Toronto, CA

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Form PTO-1449
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09/993,739

INFORMATION DISCLOSURE STATEMENT

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Applicant: Lee et al.

Filing Date
Nov. 23, 2001

Group 1616

U. S. PATENT DOCUMENTS

Examiner's Initials	U.S. Patent No.	Applicant	Issue Date	Class	Subclass
M	Re. 33,161	Brown et al.	Feb. 6, 1990	423	308
	Re. 33,221	Brown et al.	May 22, 1990	423	308
	4,157,378	Tomlinson et al.	June 5, 1979	423	301
	4,612,053	Brown et al.	Sep. 16, 1986	706	35
	4,737,411	Graves, Jr. et al.	Apr. 12, 1988	428	403
	5,427,754	Nagata et. al	Jun. 27, 1995	423	308
	4,429,691	Niwa et. al	Feb. 7, 1984	128	92
	4,849,193	Palmer et. al.	Jul. 18, 1989	423	308
	4,880,610	Constantz	Nov. 14, 1989	423	305
	4,917,702	Scheicher et al.	Apr. 17, 1990	623	16
	4,938,938	Ewers et al.	July 03, 1990	423	308
	4,959,104	Iino et al.	Sep. 25, 1990	106	85
	5,034,059	Constantz	Jul. 23, 1991	106	161
	5,037,639	Tung	Aug. 6, 1991	424	57
	5,047,031	Constantz	Sep. 10, 1991	606	77
	5,053,212	Constantz et al.	Oct. 1, 1991	423	305
	5,085,861	Gerhart et al.	Feb. 4, 1992	424	78.17
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V	5,149,368	Liu et al.	Sep. 22, 1992	424	602
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

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


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	5,178,845	Constantz et al.	Jan. 12, 1993	423	305
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	5,470,803	Bonfield et al.	Nov. 28, 1995	501	1
	5,496,399	Ison et al.	Mar. 5, 1996	106	35
	5,522,893	Chow et al.	June 4, 1996	623	11
	5,525,148	Chow et al.	Jun. 11, 1996	106	35
	5,542,973	Chow et al.	Aug. 6, 1996	106	35
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Examiner's Initials	Document No.	Country	Date	Translation	
				Yes	No
	WO 94/02412	PCT 	Jul. 7, 1995	✓	
	EP 0664133	Europe	Feb. 3, 1994	✓	
	JP 2-182261	Japan	Jul. 16, 1990		
	JP 5-305134	Japan	Jul 5, 1993	?	
	JP 63170205 (Abstract)	Japan	July 14, 1988	✓	

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InitialsOTHER DOCUMENTS
(Including Author, Title, Date, Pertinent Pages, Etc.) 3/18/03

Form PTO-1449
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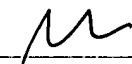
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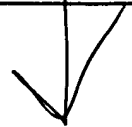
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INFORMATION DISCLOSURE STATEMENT <i>(Use several sheets if necessary)</i>				Applicant: Lee et al.	
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(37 CFR §1.98(b))				IDS Filed		
U.S. PATENTS						
Examiner's Initials	Patent Number	Issue Date	Patentee	Class	Subclass	Filing Date (If Appropriate)
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	4,713,076	12/15/87	Draenert et al.			
	4,722,948	02/02/88	Sanderson et al.			
	5,007,930	04/16/91	Dorman et al.			
FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION						
Examiner's Initials	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation (Yes/No)
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U.S. PATENTS						
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	5,049,157	09/17/91	Mittelmeier et al.			
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H	Hubbell, "Biomaterials in tissue engineering", <i>Bio/technology</i> , 13:56, (1995).					
M	Thissen et al., "Surface modification of bioresorbable polymers by plasma induced graft polymerization", <i>Fifth World Biomaterials Congress</i> , Toronto, Canada May 29-June 2, 1996.					
EXAMINER <i>Heideley</i>			DATE CONSIDERED <i>3/10/03</i>			
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Complete if Known

Application Number	09/993,739
Filing Date	November 23, 2001
First Named Inventor	Dosuk D. Lee
Group Art Unit	1616
Examiner Name	TBD
Attorney Docket Number	112430.134US7

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¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

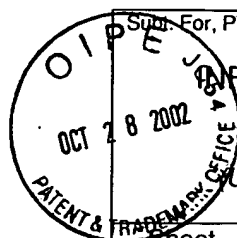
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Sub. For. PTO-1449 INFORMATION DISCLOSURE IN AN APPLICATION (Use several sheets if necessary)				Docket Number 112430.134US7	Application Number 09/993,739
				Applicant Lee et al.	
				Filing Date November 23, 2001	Group Art Unit 1616
Sheet 1	OF	1			

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EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	5,650,176	Jul 22, 1997	Lee et al.	424	602	Dec 29, 1995
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EXAMINER INITIAL	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO

Other Documents (Including Author, Title, Date Pertinent Pages, Etc.)

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